QUIZ-II MTH409   Name:

1. a. Use a printf statement to print out the value of the integer variable sum. Ans:
   b. Use a printf statement to print out the text string "Welcome", followed by a newline.
      Ans:
   c. Use a printf statement to print out the character variable letter. Ans:
   d. Use a printf statement to print out the float variable discount. Ans:
   e. Use a printf statement to print out the float variable dump using two decimal places.
      Ans:
   f. Use a scanf statement to read a decimal value from the keyboard, into the integer variable
      sum. Ans:
   g. Use a scanf statement to read a float variable into the variable discount_rate. Ans:
   h. Use a scanf statement to read a single character from the keyboard into the variable operator;
      skip leading blanks, tabs and newline characters. Ans:
2. Write a for loop to print out the values 1 to 10 on separate lines.
   Ans:

3. Write a for loop which sums all values between 10 and 100 into a variable called total.
   Assume that total has NOT been
   initialized to zero. Ans:

4. Write a for loop to print out the character set from A-Z.
   Ans:

5. Use a while loop to print the integer values 1 to 10 on the screen

   1 2 3 4 5 6 7 8 9 10   Ans:

6. Use a nested while loop to reproduce the following output
   1   Ans:
   22
   333
   4444
   55555

7. Use an if statement to compare the value of an integer called sum against the value 65, and if it
   is less, print the text string "Sorry, try again".   Ans:

8. If integer total is equal to the integer variable good_guess, print the value of total, else print the value of good_guess. Ans:

9. If sum is equal to 10 and total is less than 20, print the text string "incorrect.".
   Ans:

10. If flag is 1 or letter is not an 'X', then assign the value 0 to exit_flag, else set exit_flag to 1.
    Ans:

11. rewrite the following statements using a switch statement

```
        if( letter == 'X' )                    Ans:
              sum = 0;
        else if ( letter == 'Z' )
              valid_flag = 1;
        else if( letter == 'A' )
              sum = 1;
        else
              printf("Unknown letter -->%c\n", letter );
```